



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

# California OES Atmospheric River Event Weather Threat Briefing

22 February 2017  
10:00 AM PST

**Day 1: Minor flooding continues along small streams and creeks and some main stem rivers.**

**National Weather Service**  
*Western Region Headquarters  
Regional Operations Center  
Salt Lake City, UT*



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# Key Points

**Overview:** Conditions will continue to improve today through Saturday with areas of light showers; however, significant accumulations are not expected at this time. Another, weaker, weather system will move through California starting Sunday with rain and snow likely. The latest weather models have begun to trend weaker with each run, increasing our confidence that this storm will be less impactful than previous AR events in terms of precipitation and winds.

**Flooding:** Creeks, rivers, streams, some mainstem rivers, reservoirs and the entire water system has been significantly stressed over the past 6-7 weeks. The drier weather expected through Saturday is welcome, but it will take some time yet before waters decrease enough to no longer be of concern. Roads, hillsides, and steep grades all remain vulnerable to settling with rock and mud slides possible.

**Winds:** Winds could be strong and gusty in areas starting Sunday and continuing through early Wednesday. At this time, wind speeds do not look as strong as the weather system currently departing the region today. However, saturated soils have weakened tree roots and downed trees/powerlines remain a concern.



# Key Hazards

## Today - Saturday

- Much drier and less wind. No new weather or water hazards expected at this time.

## Sunday-Tuesday

- Rain and snow likely to return to California. Amounts and strengths will be considerably less and weaker than previous storms. Travel impacts possible through mountain passes and along low lying roads and lands that have experienced flooding this winter.

## Wednesday

- Drier once again with streams, creeks, and some mainstem rivers running high. No new weather or water hazards expected at this time.



# California OES Impact Threat Matrix

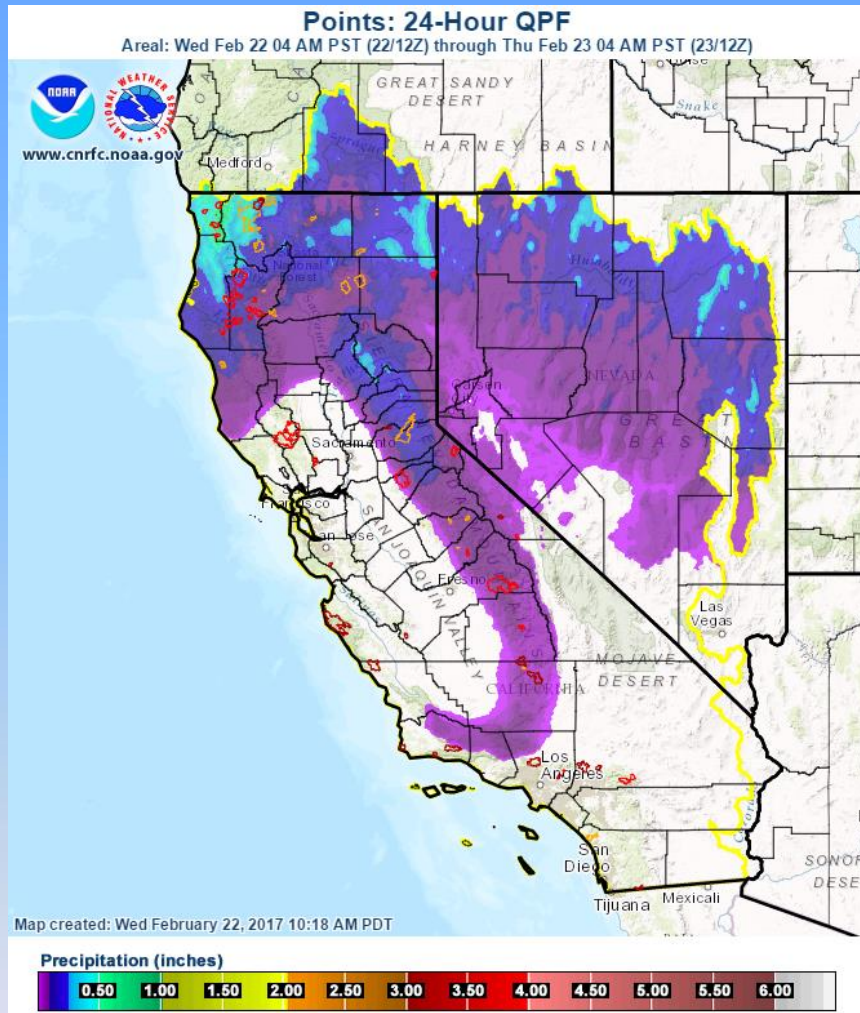
Feb 22, 2017 – Feb 28, 2017

DAY/THREAT	WED	THU	FRI	SAT	SUN	MON	TUE
Freezing Rain							
Winds							
Snow							
Heavy Rain/ Flash Flooding							
Debris Flows/Mud Slides							
River Flooding							

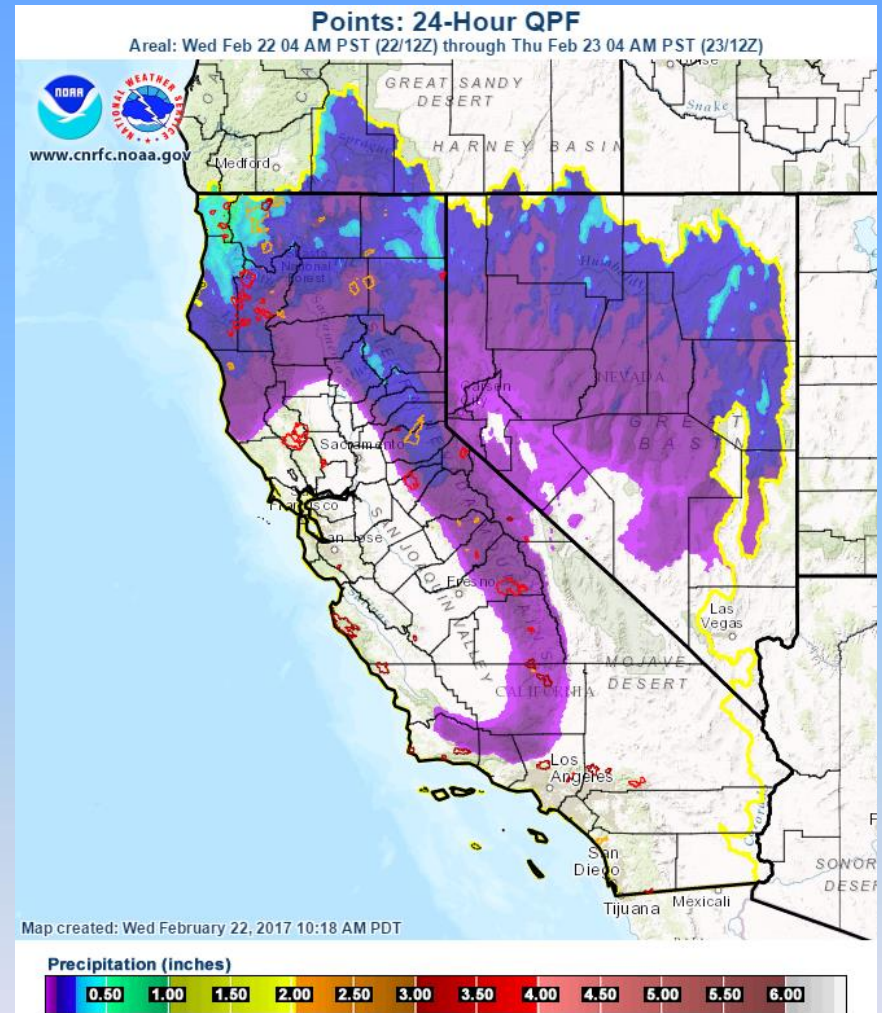
-  High Threat
-  Moderate Threat
-  Slight Threat
-  No Discernible Threat



# Days 1-2 Precipitation Forecast



Today



Thursday

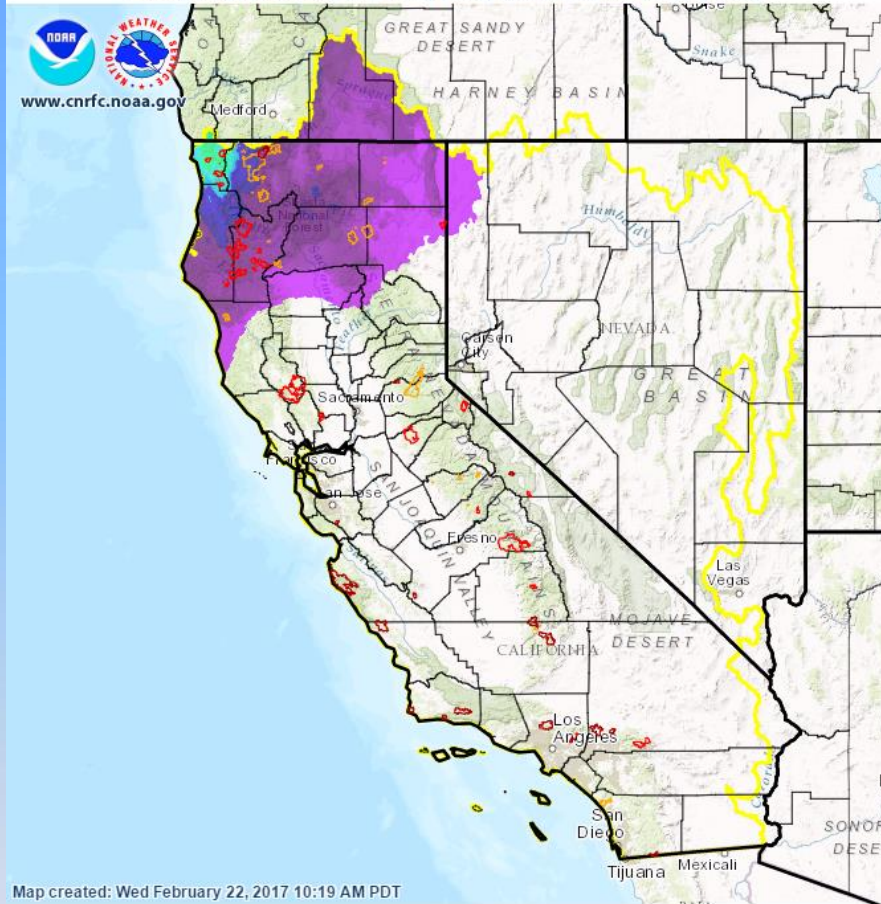




# Days 3-4 Precipitation Forecast

## Points: 24-Hour QPF

Areal: Fri Feb 24 04 AM PST (24/12Z) through Sat Feb 25 04 AM PST (25/12Z)



Map created: Wed February 22, 2017 10:19 AM PDT

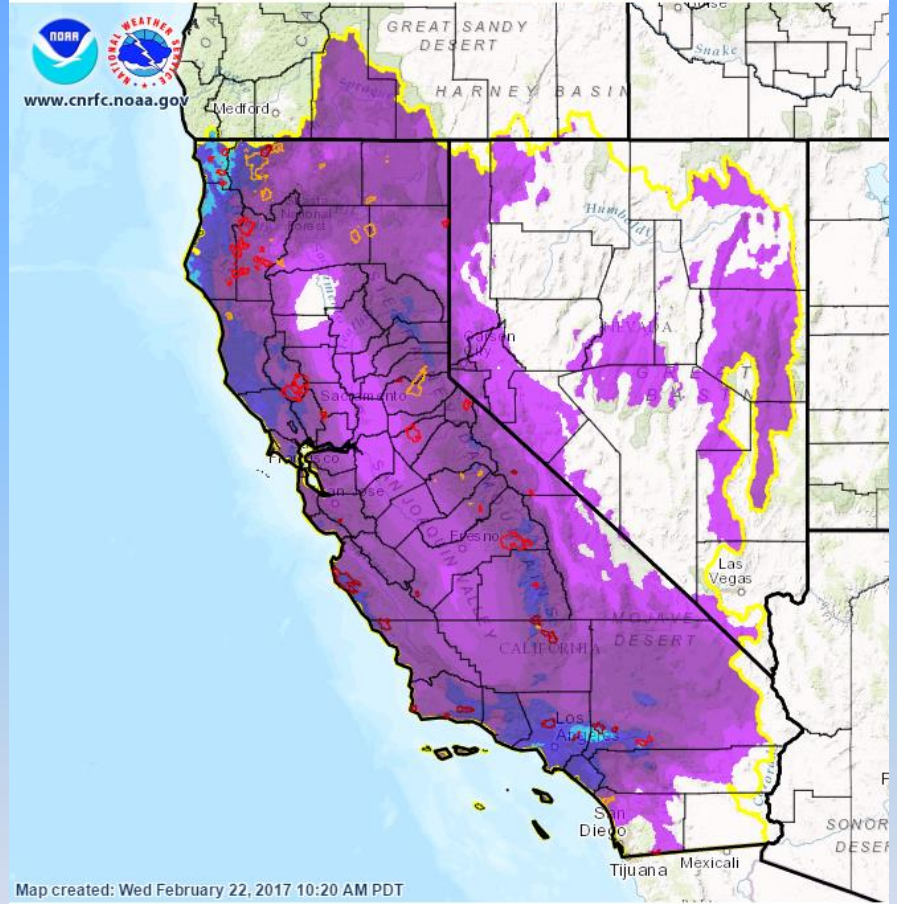
Precipitation (inches)



Friday

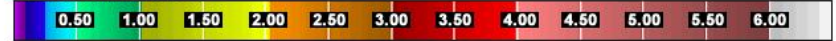
## Points: 24-Hour QPF

Areal: Sat Feb 25 04 AM PST (25/12Z) through Sun Feb 26 04 AM PST (26/12Z)



Map created: Wed February 22, 2017 10:20 AM PDT

Precipitation (inches)

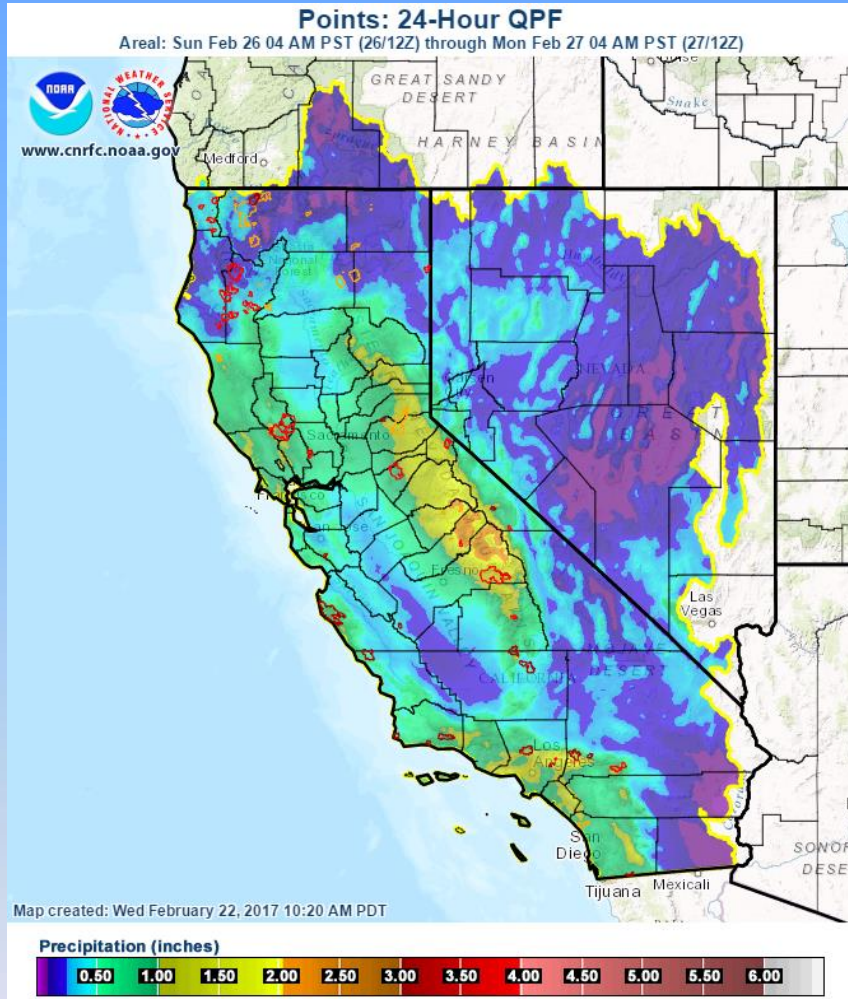


Saturday

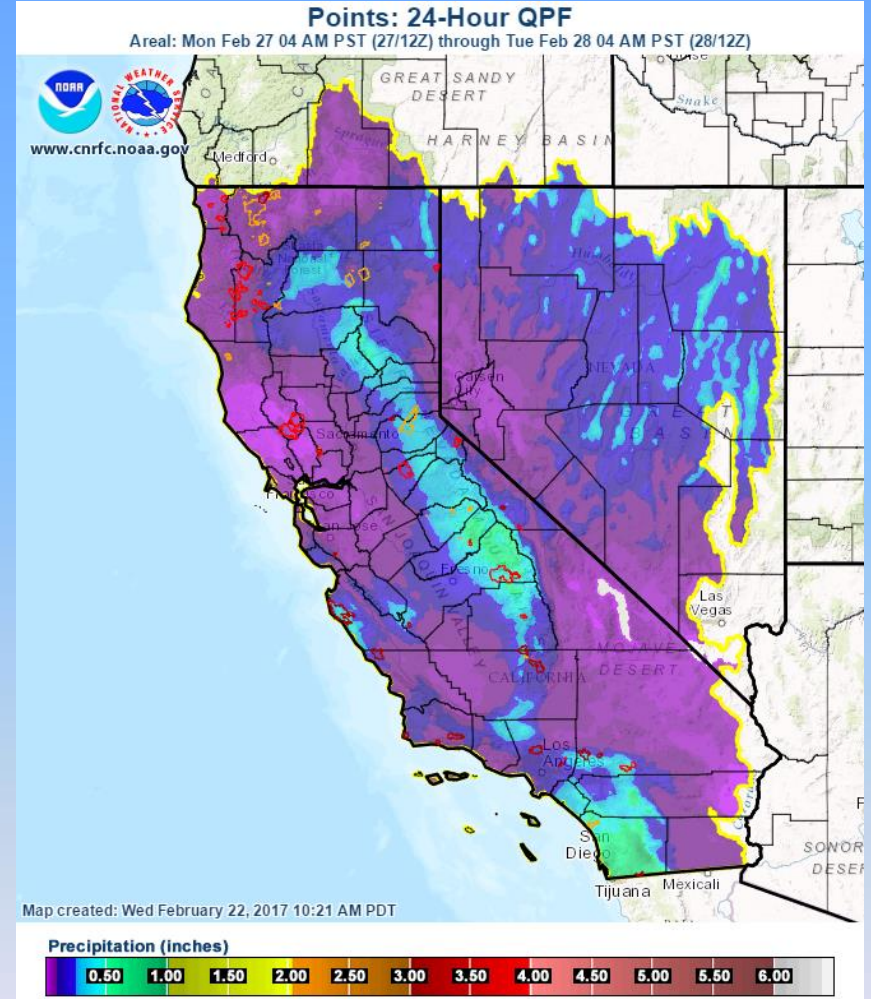




# Days 5-6 Precipitation Forecast



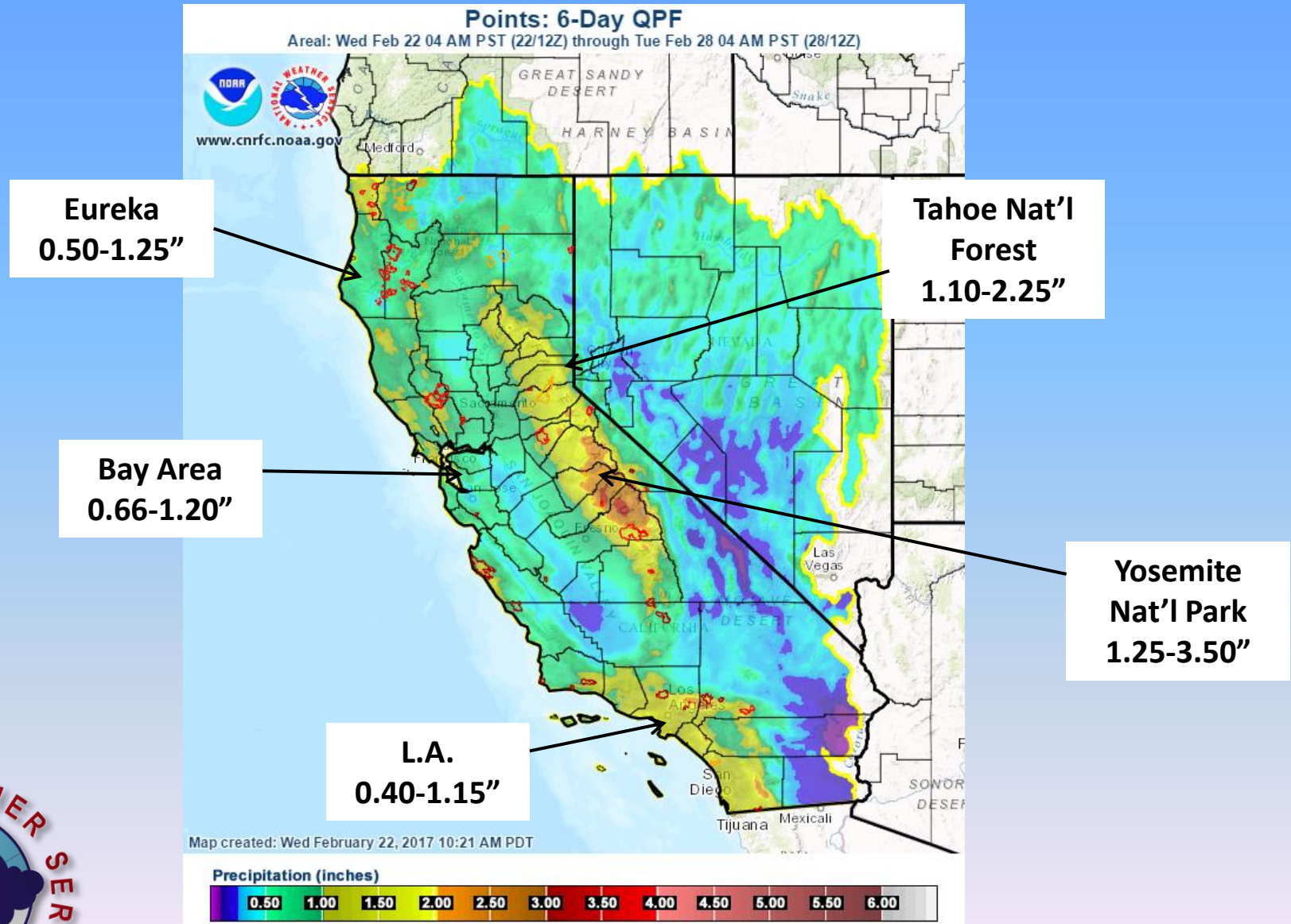
Sunday



Monday



# 6 Day Precipitation Forecast

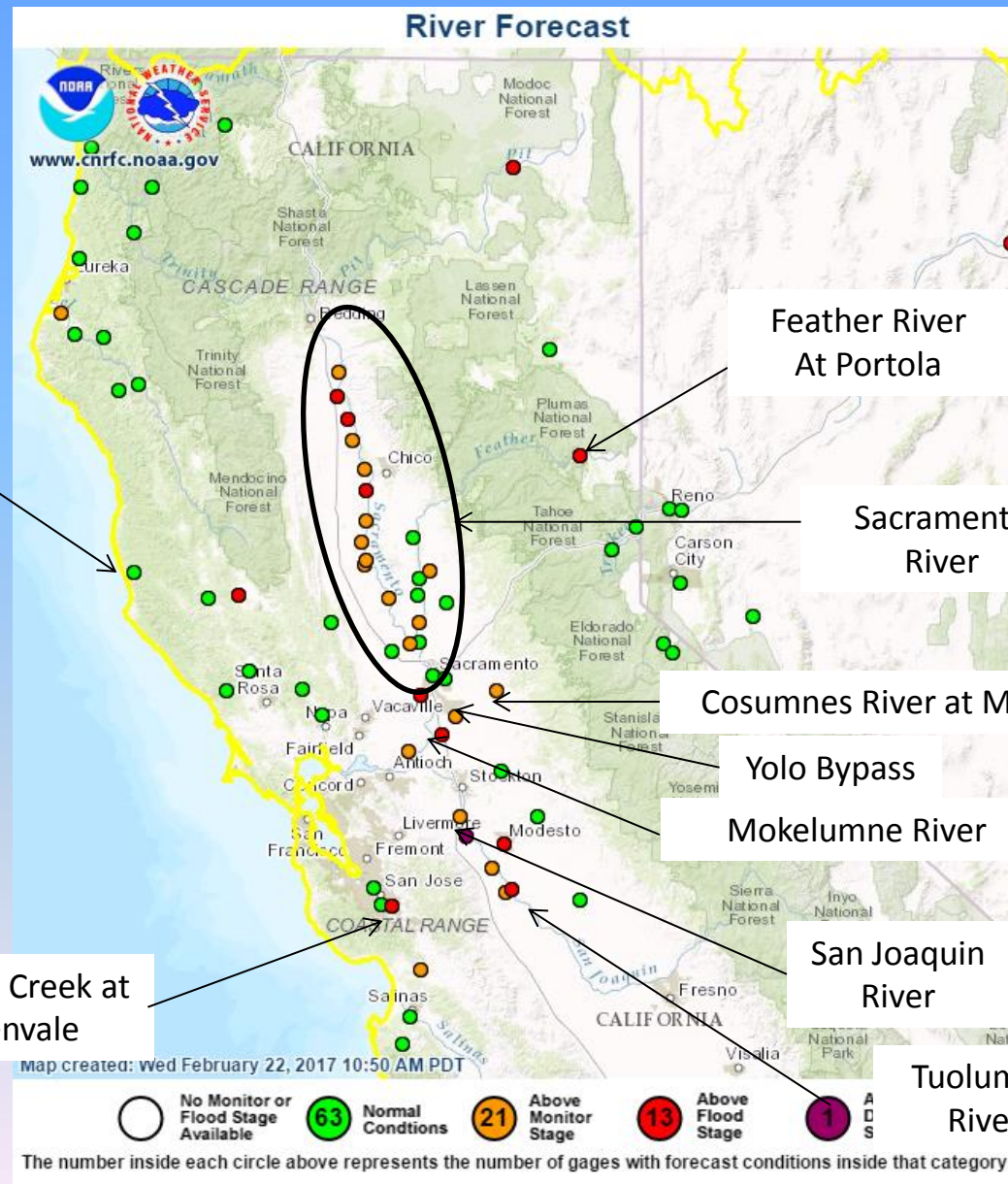


Valid Wednesday, February 22, 2017 – Monday, February 27, 2017.





# River Forecasts



# River Forecasts

**Sacramento River – Many points expected to remain in minor to moderate flooding today, with additional increases expected Monday into Tuesday.** Varying impacts: <http://water.weather.gov/ahps2/forecasts.php?wfo=sto>

**Middle Fork Feather River Near Portola, CA – Crested early this morning. Similar flooding as January 9-10, 2017, but not nearly as high as what was experienced in early February 2017.** Back to below flood stage by Thursday morning.

**Cosumnes River at Michigan Bar – Crested Tuesday morning.** Falling below monitor stage Saturday...then above monitor stage Monday.

**Tuolumne River - Modesto– Forecast to remain in Minor Flood into next week, with a crest at 60 ft on Wednesday Night. At 60 feet, water will remain in the river with no impacts to Modesto.**

**San Joaquin River at Vernalis – Forecast to remain at Danger Stage and continue increasing to 30.0 ft by Wednesday Night.** Impacts at 26 feet include: Severe seepage occurs outside the levees. The area covered by seepage will increase as the river stage rises.

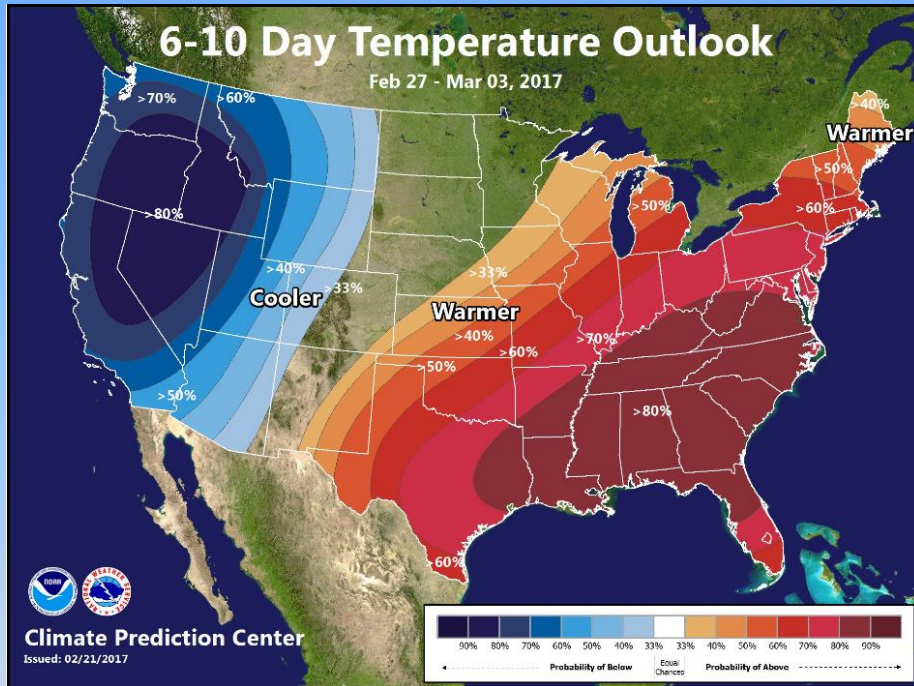
**Mokelumne River at Benson's Ferry – Forecast to reach minor flood stage Wednesday with a crest of 17.1.** Impacts at 17.25 ft estimated to be just to some local farm roads closing and flooded low lying areas along the river.

**Yolo Bypass – Forecast to continue at minor flood stage through this week with a crest of 22.8 ft Wednesday.** Kearney Ranch House will floods.

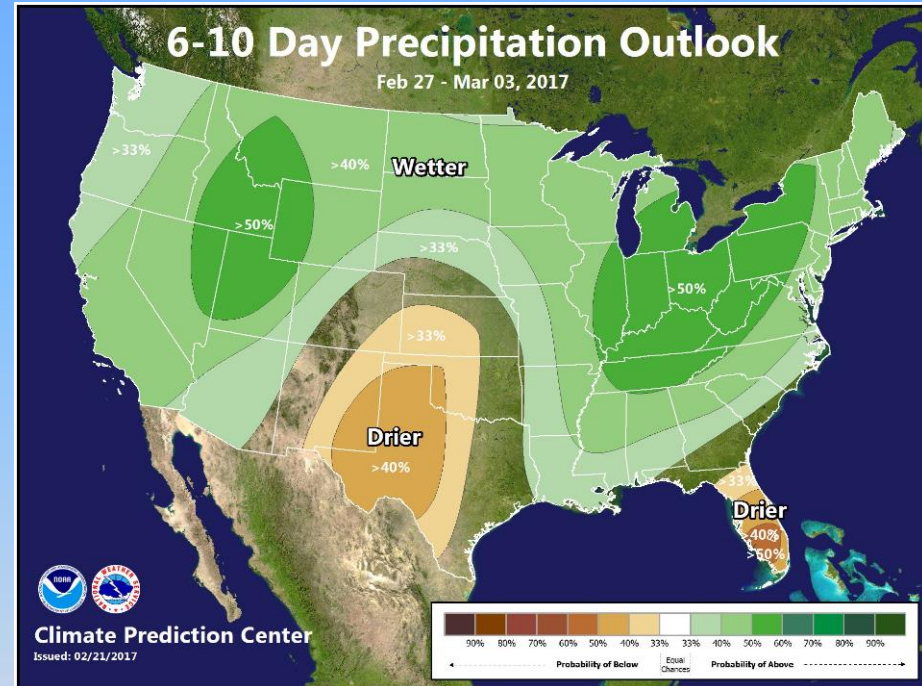
**Coyote Creek – at Edenvale.** Forecast to fall below flood stage Thursday yet remain in monitor stage through Friday. Impacts include minor flooding in homes and businesses at 17<sup>th</sup> and East San Fernando Streets.

# 6-10 Day Outlook

## Temperature



## Precipitation



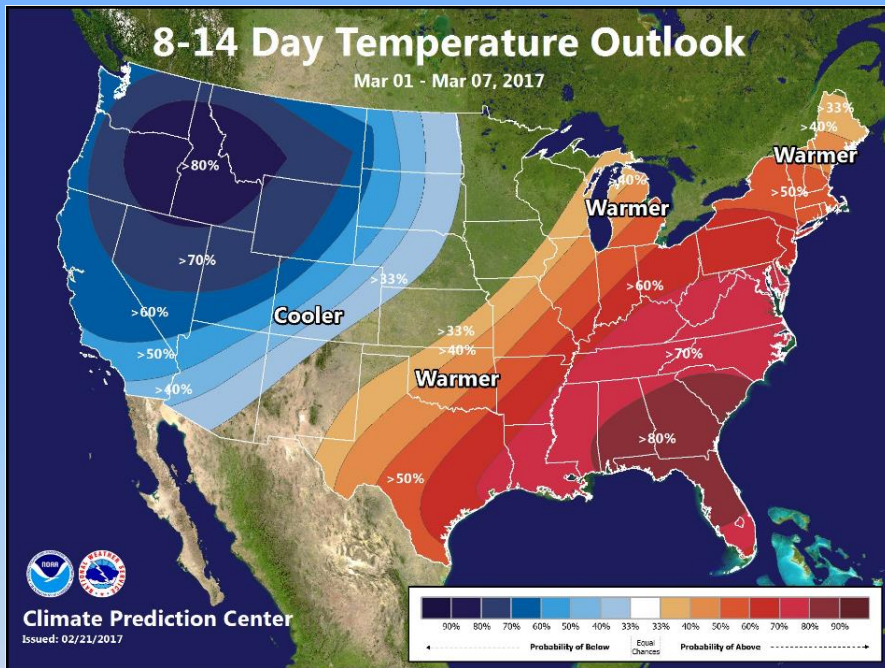
Favoring below average temperatures and above average precipitation for all of California.



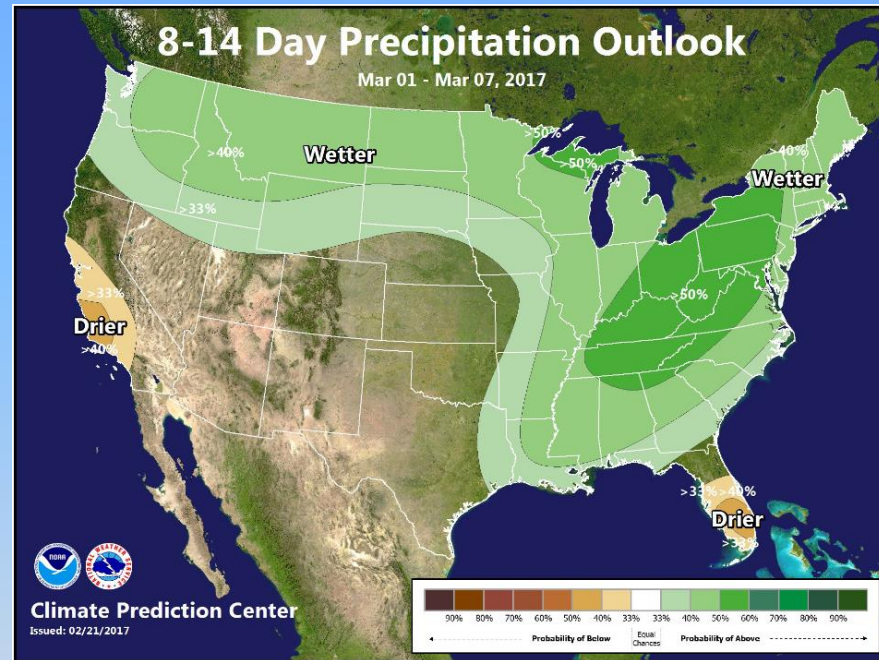


# 8-14 Day Outlook

## Temperature



## Precipitation



Favoring well below average temperatures for the State..  
Favoring below average precipitation in Central CA and near  
average precipitation elsewhere in the state.



Information provided by:

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